

20000914.qrp v01\_n944.qrl.20000914

Date: Thu, 14 Sep 2000 19:03:05 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1944

## QRP-L Digest 1944

Topics covered in this issue include:

- 1) [79448] Re: Elmer 101 address?  
by "Dave Ek" <ekdave@earthlink.net>
- 2) [79449] Who's going to Pacificon?  
by "K7FD" <cqdx@teleport.com>
- 3) [79450] HB: Crystal curren? & help w/part  
by Stephen M Smith <sigcom@juno.com>
- 4) [79451] Re: Silk Screening/PCB's  
by "Richard Clemens" <clemens@wvwc.edu>
- 5) [79452] Re: Who's going to Pacificon?  
by Jim Lowman <jmlowman@ix.netcom.com>
- 6) [79453] dsw-20 does it agn  
by Larry S Cahoon <wd3p@juno.com>
- 7) [79454] OT: Seattle, Phoenix, and Minneapolis area QRP'ers  
by "John Burnley" <burnleyia@home.com>
- 8) [79455] SOLAR: finally some action!  
by "Paul Harden, NA5N" <na5n@rt66.com>
- 9) [79456] Re: 80M PSK31 test results  
by John Wagner <john@neknetwork.com>
- 10) [79457] For: Alex Berkuta VK2KET  
by "Karl F. Larsen" <k5di@zianet.com>
- 11) [79458] Re: Any experience with the isotron antennas  
by SKIPNC90@aol.com
- 12) [79459] Re: Any experience with the isotron antennas  
by EuroM6@aol.com
- 13) [79460] HW-9 Output Transistor Replacement?  
by David Beach <dbeach@blvl.igs.net>
- 14) [79461] NEQRP WQ1RP CW Net  
by "C. J. Ludinsky" <cjl@mitre.org>
- 15) [79462] Re: Timewave question  
by "Doug LeVan" <k8zn@compuserve.com>
- 16) [79463] Regarding Who's Going to Pacificon...  
by "K7FD-N7SG" <cqdx@teleport.com>
- 17) [79464] Re: Who's going to Pacificon?  
by Bob Hightower <nk7m@extremezone.com>
- 18) [79465] Ok that was fun.  
by Dan <tacquire@earthlink.net>
- 19) [79466] Sold - Ten Tec 2.4 Khz, 500 Hz filters, and Calibrator

- by Dave Redfearn <n4elm@home.com>
- 20) [79467] Re: Who's going to Pacificon?  
by DYARNES@aol.com
- 21) [79468] Re: Varactor VFOs  
by Randy Prakken <rlp@swiftview.com>
- 22) [79469] Re: Who's going to Pacificon?  
by "Tony Fishpool" <g4wif@btinternet.com>
- 23) [79470] JJ&A Bobcat 40 and 80  
by Dan <tacquire@earthlink.net>
- 24) [79471] Here's another company I didn't know about  
by Dan <tacquire@earthlink.net>
- 25) [79472] RE: JJ&A Bobcat 40 and 80  
by "Ed Tanton" <n4xy@att.net>
- 26) [79473] FW: A Surprising Coronal Mass Ejection  
by "Ed Tanton" <n4xy@att.net>
- 27) [79474] Re: JJ&A Bobcat 40 and 80  
by Michael Bower <bowerm@ix.netcom.com>
- 28) [79475] RE: Need specs on some dipped mica caps  
by "Lofstead, Jerry" <Jerry.Lofstead@hboc.com>
- 29) [79476] CLUB: WestFLA Meeting This Saturday, 16 September 2000  
by "Stephen D. Cohen" <scohen@tampabay.rr.com>
- 30) [79477] RE: Electronic Component Tester  
by "AI2Q Alex" <ai2q@ispchannel.com>
- 31) [79478] Aha!  
by "AI2Q Alex" <ai2q@ispchannel.com>
- 32) [79479] CQ VA5RF  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 33) [79480] CQ Arlen K6VNX  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 34) [79481] Filters?  
by Ronald\_A\_Pfeiffer@res.raytheon.com
- 35) [79482] Re: dsw-20 does it agn  
by n3wt@juno.com
- 36) [79483] Re: JJ&A Bobcat 40 and 80  
by "Scott Hotchkiss" <w4pj@bellsouth.net>
- 37) [79484] Summer FOX Prizes  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 38) [79485] RE: Crystal current? & help w/part  
by "Lofstead, Jerry" <Jerry.Lofstead@hboc.com>
- 39) [79486] Re: Ok that was fun.  
by "John P. Cummins, Sr." <jpcummins@att.net>
- 40) [79487] Re: Welcome Home  
by Ken Newman <N2CQ@citnet.com>
- 41) [79488] CONTEST: QRP Contesting - Sept 16/17, 2000  
by Ken Newman <N2CQ@citnet.com>
- 42) [79489] Re: Any experience with the isotron antennas  
by Bill Lazure <n2tpa@juno.com>
- 43) [79490] Re: JJ&A Bobcat 40 and 80

- by Steve Yates <aa5tb@yahoo.com>
- 44) [79491] Re: Who's going to Pacificon?  
by Monte Stark <ku7y@dri.edu>
- 45) [79492] Wireless Ephones  
by Monte Stark <ku7y@dri.edu>
- 46) [79493] [79385] Re: ULN2111A FM IF IC's -- Good for AM/SSB/CW work too  
by Brian Kassel <bkassel@dancris.com>
- 47) [79494] Re: 80M PSK31 frequencies  
by "Dave Benson" <nn1g@earthlink.net>
- 48) [79495] Tower Climbing Robot, mostly OT  
by "Ron McConnell" <rcmcc@lucent.com>
- 49) [79496] FS: Kenwood TS440SAT with RigBlaster  
by "George Goodroe" <goodroe@worldnet.att.net>
- 50) [79497]  $V_{rms} = 0.707 \times V_{peak} = 0.5(0.707 \times V_{pp}) = 0.3535 \times V_{pp}$ ?  
by "Phinizy, William" <wphinizy@filenet.com>
- 51) [79498] Re: 80M PSK31 frequencies  
by "Dan W. Dooley" <dandooley@pipeline.com>
- 52) [79499] RE:  $V_{rms} = 0.707 \times V_{peak} = 0.5(0.707 \times V_{pp}) = 0.3535 \times V_{pp}$ ?  
by schoon@amgt.com
- 53) [79500] Re: Wireless Ephones  
by DYARNES@aol.com
- 54) [79501] Pacificon: Pacificon QRP ID Badge Info  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 55) [79502] Pacificon: Friday Night Operating Event  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 56) [79503] Re: 80M PSK31 frequencies  
by tbowman@nbn.net
- 57) [79504] JJ&A Bobcat 40 and 80  
by "David Hurley,n2zhy" <n2zhy@amsat.org>
- 58) [79505] Let me take your SMK-1 to Pacificon...  
by Allan G Taylor <k7gt@qsl.net>
- 59) [79506] Re: Wireless Ephones  
by Monte Stark <ku7y@dri.edu>
- 60) [79507] Summer FOX Hunt website  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 61) [79508] Re: HB: Crystal curren?  
by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
- 62) [79509] FS D-104 MIC.....& LQQKing  
by RangerSF5@aol.com
- 63) [79510] RE: Electronic Component Tester  
by "Hare, Ed, W1RFI" <w1rfi@arrl.org>
- 64) [79511] Pacificon: QRP sized QSLs for QRPacificon QSO Party  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 65) [79512] (no subject)  
by BOBOBOB1@aol.com
- 66) [79513] Dummy Loads  
by "Steven Weber" <kd1jv@moose.ncia.net>
- 67) [79514] Re: Pacificon: QRP sized QSLs for QRPacificon QSO Party

- by "Cla KA0GKC" <ka0gkc@arrl.net>
- 68) [79515] Re: Let me take your SMK-1 to Pacificon...  
by Allan G Taylor <k7gt@qsl.net>
- 69) [79516] Pacificon QRP Proceedings  
by Ken Paulson <kpaulson@earthlink.net>
- 70) [79517] Re: FOX: Summer Hunt Awards - the List - correction  
by Scott Gregson <emtech@steadynet.com>
- 71) [79518] Re: Here's another company I didn't know about  
by "Tony Fishpool" <g4wif@btinternet.com>
- 72) [79519] Building the NC-20  
by "Ed Nelson" <edxnelson@home.com>
- 73) [79520] Re: Dummy Loads  
by "Bob Tellefsen" <n6wg@earthlink.net>
- 74) [79521] CQ \*VA6RF\*  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 75) [79522] Re: dsw-20 does it agn  
by Larry S Cahoon <wd3p@juno.com>
- 76) [79523] Texas Instruments  
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 77) [79524] Re: Pacificon: QRP sized QSLs for QRPacificon QSO Party  
by "Robert P. Okas" <vintage@best.com>
- 78) [79525] Re: Any experience with the isotron antennas  
by wa4dou@excite.com
- 79) [79526] Re: Any experience with the isotron antennas  
by Dan <tacquire@earthlink.net>
- 80) [79527] Re: Any experience with the isotron antennas  
by wa4dou@excite.com
- 81) [79528] Lightbulb antennas!  
by wa4dou@excite.com

-----

Date: Wed, 13 Sep 2000 17:00:22 -0600  
From: "Dave Ek" <ekdave@earthlink.net>  
To: <ALaurent@npr.org>  
Cc: <qrp-1@lehigh.edu>  
Subject: [79448] Re: Elmer 101 address?  
Message-ID: <000701c01dd6\$67e14fc0\$3f813389@ekdant>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Art,

Go to <http://www.qsl.net/kf4trd/> for the original elmer 101 materials. In addition, I made up some powerpoint slides for a class I taught based on elmer 101. They can be found at

<http://home.earthlink.net/~hamkitbuilder/elmer101.html>.

73,

Dave AB0GO

-----  
Date: Wed, 13 Sep 2000 16:18:22 -0700  
From: "K7FD" <cqdx@teleport.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [79449] Who's going to Pacificon?  
Message-ID: <000d01c01dd8\$e91ff120\$a78c80a7@lincoln.k12.or.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

If you wish, tag your name to ours if you plan on attending Pacificon and  
repost to the reflector...might be fun to see who's going!

We'll be there!

John K7FD  
Annette N7SG

-----  
Date: Wed, 13 Sep 2000 16:10:24 -0700  
From: Stephen M Smith <sigcom@juno.com>  
To: qrp-l@Lehigh.EDU  
Subject: [79450] HB: Crystal curren? & help w/part  
Message-ID: <20000913.161025.-335347.0.sigcom@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Group,

What is the maximum safe crystal current on HC-49/U crystals like the  
ones NorCal sells?

Also, does anyone have a spec. sheet or know where to find one on a Motorola  
MMT74. This thing

looks like a MMIC but it has 3 leads so it's probably a FET or bipolar of some sort. The case is blue plastic with a red dot covering the top. I did a search w/Google and on the Moto Semi web site w/no joy. TIA

73.....Steve, WB6TNL Oxnard, CA USA  
The Scrounger "snort rosin"

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Wed, 13 Sep 2000 19:00:57 -0400  
From: "Richard Clemens" <clemens@wvwc.edu>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [79451] Re: Silk Screening/PCB's  
Message-ID: <002b01c01dd6\$d994fa40\$5900000a@wvwc.edu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I recently used [www.expresspcb.com](http://www.expresspcb.com) to make several small boards. They furnish the software and you furnish the design, While not "cheap" these are quality double sided boards with holes drilled etc. Very nice way to make a few boards. Their software will even price the order before you send it off via the Internet for production. Given I need only a handful of each design, I found their service very profession and fast. I have no connection with the firm other than being a very satisfied customer.

--  
Rich Clemens, KB8A0B  
clemens@wvwc.edu

----- Original Message -----  
From: <schoon@amgt.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Wednesday, September 13, 2000 11:20 AM  
Subject: RE: Silk Screening/PCB's

> Dan,

>  
> Keypro comes to mind if you want to roll your own in small batches. I  
> think they are at: <http://www.keypro.com> . I've also run into another  
> company called Sierra Proto Express and can be found at:  
> <http://www.sierraprotexpress.com> . I am looking into the latter company  
> for producing some of my proto PCBs for work. I've never used either  
> company as of yet, so YMMV. No commercial interest, kickbacks,  
> discounts, etc...  
>  
> 72  
>  
> .mark  
>  
> >-----  
> >From: Dan[SMTP:tacquire@earthlink.net]  
> >Sent: Tuesday, September 12, 2000 11:40 PM  
> >To: Low Power Amateur Radio Discussion  
> >Subject: Silk Screening/PCB's  
> >  
> >Does anyone know of a cheap place to obtain custom PCBs where you supply  
the  
> >layout, and they produce the board? Also does anyone know of anywhere  
that  
> >has  
> >a silk screening kit of some sort. I have found a bit of info on these  
> >topics  
> >so far but all are too expensive.  
> >  
> >Thanks  
> >Dan  
> >  
> >  
> >

-----  
Date: Wed, 13 Sep 2000 16:31:16 -0700  
From: Jim Lowman <jmlowman@ix.netcom.com>  
To: cqdx@teleport.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [79452] Re: Who's going to Pacificon?  
Message-ID: <39C00E44.D3EE208A@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

K7FD wrote:

>  
> If you wish, tag your name to ours if you plan on attending Pacificon and  
> repost to the reflector....might be fun to see who's going!  
>  
> We'll be there!  
>  
> John K7FD  
> Annette N7SG

So will we...

Jim, AD6CW  
Judy, W6YBS

-----  
Date: Wed, 13 Sep 2000 23:38:50 +0100  
From: Larry S Cahoon <wd3p@juno.com>  
To: qrp-1@Lehigh.EDU  
Subject: [79453] dsw-20 does it agn  
Message-ID: <20000913.233856.-428537.0.wd3p@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

I was out again today at the kids soccer practice. So along went the DSW-20. This time I picked up V51AS with 2 watts running QRP/M from the car. And again the DSW showed it can run split if need be. For those who don't know V51AS is Namibia. This stuff is just too much fun.

73 de Larry.....WD3P in MD  
<http://www.qsl.net/wd3p>

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Try it today - there's no risk! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.

-----  
Date: Wed, 13 Sep 2000 18:53:01 -0500  
From: "John Burnley" <burnleyia@home.com>  
To: <qrp-1@lehigh.edu>  
Subject: [79454] OT: Seattle, Phoenix, and Minneapolis area QRP'ers  
Message-ID: <000b01c01ddd\$c01bd000\$1b790818@c149552-a.west1.ia.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"



Content-Transfer-Encoding: 7bit

Hi gang. It looks like I will be in your area(s) on business during October (Seattle), November (Phoenix), and December (Minneapolis). If anyone is interested in an eyeball please email me privately.

72, John NU0V

-----  
Date: Wed, 13 Sep 2000 18:02:25 -0600 (MDT)  
From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: qrp-canada@lists.gpfn.sk.ca, qrp-1@lehigh.edu  
Subject: [79455] SOLAR: finally some action!  
Message-ID: <Pine.SUN.4.10.10009131738560.28796-100000@shell.rt66.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,  
The sun has been exceptionally quiet, really since the bix X class flare on 14 July. The sunspot count dipped below 30 yesterday, the lowest in over a year, and typical of the very beginning of the solar cycle. Solar flux is down to 130, also quite low for the active sun.

But yesterday, a well positioned M class flare and CME, produced a shower of energetic protons (traveling near the speed of light) and a particle shockwave that will likely hit the earth tomorrow and trigger a geomagnetic storm. The storm is expected to be from MINOR to MAJOR levels, depending on how directly it hits us. If it hits major levels, that is K=7 to 9, it will also produce enhanced auroral activity.

Excerpts from today's RSGA follows with some commentary for those so interested.

72, Paul NA5N

-----  
On Wed, 13 Sep 2000, Space Environment Center wrote:  
> JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
> SDF NUMBER 257 ISSUED AT 2200Z ON 13 SEP 2000  
  
> IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/2100Z  
> TO 13/2100Z: SOLAR ACTIVITY WAS LOW.

> IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE  
> AT LOW LEVELS. OCCASIONAL LOW C-CLASS FLARES ARE EXPECTED.

C-class flares are relatively small ones, not a threat to HF radio.

> IIA. GEOPHYSICAL ACTIVITY SUMMARY 12/2100Z TO 13/2100Z:  
> THE GEOMAGNETIC FIELD WAS QUIET TO ACTIVE. UNSETTLED TO ACTIVE  
> CONDITIONS OCCURRED EARLY IN THE PERIOD, BUT MOSTLY QUIET CONDITIONS  
> PERSISTED SINCE 13/0600Z.  
  
> THE >10 MEV PROTON EVENT THAT BEGAN AT 12/1555Z IS STILL IN PROGRESS.

This is the proton event from yesterday's M1 flare. Why some flares release massive amounts of energetic protons, and others do not, is a mystery. None-the-less, this relatively small M class flare did, and continues to shower the earth with protons. This effects mostly satellites, where high protons can cause surfaces to assume large voltage charges and possibly damage internal electronics. On earth, the main effect of high protons is triggering a PCA ... Polar Cap Absorption event. As these protons hit earth, they flow into the polar regions and get caught in the D-layer, causing higher than normal absorption to HF signals in the polar region, and hence the name, Polar Cap Absorption.

> THE PCA THAT  
> BEGAN NEAR 12/1830Z REMAINS IN PROGRESS. PEAK ABSORPTION OBSERVED AT  
> THULE, GREENLAND WAS 4.6DB AT 13/0603Z. CURRENT ABSORPTION IS  
> APPROXIMATELY 3DB.

Nearly 5dB of attenuation to HF signals is significant, and 3dB is still very bothersome. Remember, 3dB is HALF your signal power being gobbled up in the D-layer. Your 5W signal is effectively now 2.5W. This is effecting HF communications in the upper latitudes, Alaska, northern Canada, and to a lesser extent southern Canada/US border region. It will subside when the proton counts return to normal, likely tomorrow.

> IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS  
> EXPECTED TO REMAIN AT QUIET TO UNSETTLED LEVELS THROUGH EARLY DAY  
> ONE. STORMING IN RESPONSE TO THE CME OBSERVED ON 12 SEP IS EXPECTED  
> TO BEGIN DURING THE LATTER HALF OF DAY ONE AND CONTINUE THROUGH DAY  
> TWO. EXPECT CONDITIONS TO RETURN TO UNSETTLED BY DAY THREE. THE >10  
> MEV PROTON EVENT IS EXPECTED TO END ON DAY ONE.

The 12SEP CME/flare is that discussed above.

> IV. PENTICTON 10.7 CM FLUX  
> OBSERVED 13 SEP 133  
> PREDICTED 14 SEP-16 SEP 130/135/135

> 90 DAY MEAN            13 SEP 178  
> V. GEOMAGNETIC A INDICES  
  
> OBSERVED AFR/AP 12 SEP 011/020  
> ESTIMATED AFR/AP 13 SEP 010/013  
> PREDICTED AFR/AP 14 SEP-16 SEP 040/045-040/040-015/015  
                              ^^^^^    ^^^^^  
                              MAJOR storm levels predicted  
                              for thursday and friday

The weekend looks good ... geomagnetic activity back to normal, the PCA over. This is good for 40-80M night time. 20M will be the daytime band with mushy propagation on 15M due to the low solar flux. Also, 10M will likely have only brief, sporadic openings, if at all.

I'll post an update on friday with conditions for the QRP AFIELD event on saturday, 16 September.

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-----  
  
Date: Wed, 13 Sep 2000 21:40:41 -0400  
From: John Wagner <john@neknetwork.com>  
To: nn1g@earthlink.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [79456] Re: 80M PSK31 test results  
Message-ID: <39C02C99.3A878BEC@neknetwork.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gang and Dave;

I have to say I am very excited about this new development! If I read George's announce correctly, this PSK-31 Warbler kit will be a hot ticket!

Personally, I've been reluctant to put a computer near my rig - I spend all day on a computer, I like to relax with my radio(s)! I've been wanting to try out PSK-31 though. In fact, I must confess that the other night I downloaded some PSK-31 software and ran a (long) cable from the output of my rig to the sound card and "listened in" on a number of QSO's on 20m. Looks pretty neat!

The real kicker for me though is George's description of the "Portable PSK without a PC" - now THAT'S A GREAT IDEA. I know some guys I worked with have shown a mild interest in my QRP gear, but the CW seems more like a "oh, that's cool, I guess" kind of thing - but when they see a portable "chat room" - that's gonna be the stuff! I can't wait to see the plans for this!

Great work! 73,

John, KB1ENS

Dave Benson wrote:

>  
> This is just too much fun to be legal! We are (re)learning as we experiment  
> that the apparent key to success is in the antennas. Although KH6TY/4 and I  
> are both doing well within several hundred miles with our 'crap' skywires,  
> it's clear that a little extra effort on the antenna side would really pay  
> off. As George mentioned, the upcoming issue of the NJ Club journal will  
> feature an antenna article and kit project by Joe Everhart, N2CX. Just the  
> ticket for getting on 80M if you're not there already!  
>  
> Good stuff- can't wait for the next issue of the NJ Club journal! :-)  
>  
> 73- Dave Benson, NN1G

--

John Wagner - [john@neknetwork.com](mailto:john@neknetwork.com)

Web page: <http://www.neknetwork.com>

Personal Web page: <http://www.together.net/~jwag>

-----  
Date: Wed, 13 Sep 2000 19:44:13 -0600 (MDT)  
From: "Karl F. Larsen" <[k5di@zianet.com](mailto:k5di@zianet.com)>  
To: QRP-L List <[qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)>  
Subject: [79457] For: Alex Berkuta VK2KET  
Message-ID: <[Pine.LNX.4.10.10009131941400.858-1000000@cannac.ampr.org](mailto:Pine.LNX.4.10.10009131941400.858-1000000@cannac.ampr.org)>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Alex, I got your letter today. I no longer have any transistors. Please let me know to the e-mail address in the tag line what you want me to do.

Yours Truly,

- Karl F. Larsen, [k5di@arrl.net](mailto:k5di@arrl.net) (505) 524-3303 -

-----  
Date: Wed, 13 Sep 2000 21:43:09 EDT  
From: SKIPNC90@aol.com  
To: kc8aon@juno.com, qrp-1@lehigh.edu  
Subject: [79458] Re: Any experience with the isotron antennas  
Message-ID: <62.720197d.26f1872d@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

In a message dated 9/13/00 5:37:04 PM Central Daylight Time, kc8aon@juno.com writes:

<< Some people call this a 'snake-in-the-grass'  
>antenna.

I call it a "LOG Periodic" - periodically "Lying On Ground" that is !  
SMILE

>>

Sounds like what happened to one of my field day antennas, this was the way we found it after sunrise. We used all night like that and still made contacts.

73, Skip Davis NC90

-----  
Date: Wed, 13 Sep 2000 22:02:36 EDT  
From: EuroM6@aol.com  
To: SKIPNC90@aol.com, qrp-1@lehigh.edu  
Subject: [79459] Re: Any experience with the isotron antennas  
Message-ID: <12.23812e4.26f18bbc@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

I'm not sure why all the bad-mouthing of the Isotron... I've been a ham for 40 yrs. (all cw) and have had many setups, verticals with great ground systems, dipoles, & tribanders on towers. I had to install a stealth system in my new neighborhood with 10m, 15m, & 20m Isotrons in the attic and I've had great results. (I work 95% QRP @ 5 watts). Granted, not like the beam but very acceptable. I'd be glad to talk to anyone interested. (I am an MD in Omaha with a completely objective point of view, no Isotron brother-in-law!)

-----  
Date: Wed, 13 Sep 2000 22:06:48 -0400  
From: David Beach <dbeach@blvl.igs.net>  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [79460] HW-9 Output Transistor Replacement?  
Message-ID: <B5E5AAF7.44E%dbeach@blvl.igs.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

A friend of mine popped his HW-9 MRF-237 final. He replaced it with an ECG-341 (I'm pretty sure that's the one... it was the one listed as the replacement for the 237). Well, he says it just does not work as well - about 1/2 to 2/3 the output of the original.

I am sure he is not the first (or last!) to blow the final while fiddling with his HW-9. Anyone able to offer some words of wisdom, perhaps from personal experience, on restoring the output to its former level? Does one need to fiddle with bias, etc.? Any thoughts on other transistor substitutes? (Anybody got a bag of MRF-237s in their junk box?!)

I would appreciate some help and will pass it on to him - his form of digital communication is CW!

David Beach  
VE3STI

-----  
Date: Wed, 13 Sep 2000 22:28:21 -0400  
From: "C. J. Ludinsky" <cjl@mitre.org>  
To: neqrp@jonal.net, qrp-l@lehigh.edu  
Subject: [79461] NEQRP WQ1RP CW Net  
Message-ID: <39C037C5.3BA2ECC7@mitre.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Conditions on 80M were unusually good last Thursday (7 Sept). We had an excellent turnout, with 14 folks showing up for the NEQRP CW net on 3.561 MHz:

K1CL	Chuck (Net Op)	Chelmsford, MA
K1QM	Joel	Concord, MA
K1LGQ	Dennis	Brookline, NH

K1LQ	Diane	Brookline, NH
K1CWZ	Larry	Nashua, NH
NS80	Greg	Athens, OH
WA1JXR	Greg	Lancaster, MA
WB1HBE	John	Chelmsford, MA
N1ZSW	Ron	Worcester, MA
W1CFI	Paul	Cape Cod, MA
K1RC	John	Dracut, MA
N2ZHY	David	Princeton, NJ
W1FMR	Jim	Salisbury, MA
W3CDE/4	Gerald	GA

Noise was so low, that at one point I was copying Jim, W1FMR, with the S-meter barely moving above the S1-S2 mark. Quite unusual for summer conditions on 80M.

Thanks to all for joining us, and hope to see you again tonight (Thursday) on 40M. Net op will be Joel, K1QM, operating from Concord, MA, on or around 7.041 MHz at 9:00 PM EDT (0100Z). All are welcome.

72 DE K1CL,  
Chuck.

-----  
Date: Wed, 13 Sep 2000 23:17:58 -0400  
From: "Doug LeVan" <k8zn@compuserve.com>  
To: <qrp-l@lehigh.edu>  
Subject: [79462] Re: Timewave question  
Message-ID: <000201c01dfa\$62a146e0\$c71464c6@centurant>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I haven't used the 59+ but purchased the 599zx earlier this year and like it very much.

You (and others) might be interested in looking at the Ver. 5.0 firmware upgrade now available from Timewave. <http://www.timewave.com/>

New features include:  
Binaural CW  
CW Spotlight  
PC-Radio Interface and Filter for PSK-31  
Modified Noise Reduction Algorithm  
Morse Practice Oscillator

The upgrade is free if you purchased a 599zx with Ver. 4.1 firmware after Jan 1, 2000.

Doug  
K8ZN

-----  
Date: Wed, 13 Sep 2000 20:14:05 -0700  
From: "K7FD-N7SG" <cqdx@teleport.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [79463] Regarding Who's Going to Pacificon...  
Message-ID: <004001c01df9\$d80bfb60\$93231ad8@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

To cut down on a thread that's bound to get quite a few responses, please send your name to me directly, then I'll post a summary every few days or so as Pacificon draws near...

Thanks! 73 John K7FD

-----  
Date: Wed, 13 Sep 2000 20:30:25 -0700  
From: Bob Hightower <nk7m@extremezone.com>  
To: jmlowman@ix.netcom.com  
Cc: qrp-l@lehigh.edu  
Subject: [79464] Re: Who's going to Pacificon?  
Message-ID: <200009140326.UAA09734@enterprise.extremezone.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 04:31 PM 9/13/2000 -0700, you wrote:

>K7FD wrote:

>>

>> If you wish, tag your name to ours if you plan on attending Pacificon and  
>> repost to the reflector....might be fun to see who's going!

>>

>> We'll be there!

>>

>> John K7FD

>> Annette N7SG



>  
>So will we...  
>  
>Jim, AD6CW  
>Judy, W6YBS  
>

And..  
Bertie, N7XJW  
Bob NK7M

Bob Hightower NK7M  
Chandler, AZ  
SOC #20  
K2 #157/255

<http://www.extremezone.com/~nk7m>

-----  
Date: Wed, 13 Sep 2000 21:11:20 -0700  
From: Dan <tacquire@earthlink.net>  
To: unlisted-recipients;; (no To-header on input)  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [79465] Ok that was fun.  
Message-ID: <39C04FE8.1B7D512D@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Welp I was a bit over with 7 watts instead of 5(yaesu only went down to 7 on 20) but I made an excellent contact in tacoma washington from my visalia ca qth,, a good 750 to 800 miles at least. I was received 559 clear as a bell. His call was wb7qqm Have to admit, that was a bit fun :) Hadn't had a real cw qso in several years let alone one running minimal power. His speed was a bit fast, but I was able to pretty much keep up. Looking forward to getting my TKit to build and see what I can do with that :) BTW to those who advised on putting a diode in to protect against reverse polarity, I was at rat shack today and picked up a couple(100vlt 1 amp ones I think) and intend to put one in. I DO NOT want to fry my little radio :)

Dan

-----

Date: Wed, 13 Sep 2000 23:25:27 -0500  
From: Dave Redfearn <n4elm@home.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, Ten-Tec Mail List  
<tentec@contesting.com>  
Subject: [79466] Sold - Ten Tec 2.4 Khz, 500 Hz filters, and Calibrator  
Message-ID: <39C05337.B8C20809@home.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The # 217 and # 220 crystal filters  
and the Argosy Calibrator have been spoken for.

Thanks for the response!

73 - Dave

=====  
Dave Redfearn, ARS N4ELM, McKinney, TX  
Email: n4elm@NOJUNKhome.com (to reply, remove NOJUNK)  
QRL? de N4ELM/qrp

-----  
Date: Thu, 14 Sep 2000 00:38:31 EDT  
From: DYARNES@aol.com  
To: cqdx@teleport.com, qrp-1@lehigh.edu  
Subject: [79467] Re: Who's going to Pacificon?  
Message-ID: <68.7472644.26f1b047@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Me too! Be there Thursday night!

Dave W7AQK

-----  
Date: Wed, 13 Sep 2000 22:19:38 -0700  
From: Randy Prakken <rlp@swiftview.com>  
To: myetsko@insydesw.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [79468] Re: Varactor VF0s  
Message-ID: <39C05FEA.67716A5F@swiftview.com>  
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

If using disks or similarly poor RF caps, the lead inductance is high.  
If the VFO freq is very high that inductance could effectively remove  
the cap (except at series resonance) from the circuit.

Randy  
K7ZSB

-----  
Date: Thu, 14 Sep 2000 07:03:45 +0100  
From: "Tony Fishpool" <g4wif@btinternet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [79469] Re: Who's going to Pacificon?  
Message-ID: <007201c01e11\$a0355160\$0c3f073e@p200>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The Brits are coming!  
G4WIF & G3MFJ

That's if we can find any gas to drive to the airport (the country is  
practically dry!)

72/3  
Tony - G4WIF

-----  
Date: Thu, 14 Sep 2000 00:10:56 -0700  
From: Dan <tacquire@earthlink.net>  
To: unlisted-recipients;; (no To-header on input)  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [79470] JJ&A Bobcat 40 and 80  
Message-ID: <39C07A00.D8BB6486@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Has anyone tried this little rig? Came across their site in a web search and it  
looks impressive.

<http://www.jja-instruments.com/radio.html>

-----  
Date: Thu, 14 Sep 2000 00:15:23 -0700  
From: Dan <tacquire@earthlink.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [79471] Here's another company I didn't know about  
Message-ID: <39C07B0B.6729C5E9@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

> Pretty neat looking little rigs and accessories. Font size is a bit odd on the  
> page so you might have to fiddle with your browser to see it correctly.

> <http://www.waters-and-stanton.co.uk/qrp/qrp1.htm>

-----  
Date: Thu, 14 Sep 2000 03:21:12 -0400  
From: "Ed Tanton" <n4xy@att.net>  
To: <tacquire@earthlink.net>  
Cc: "QRP-L Reflector" <qrp-l@Lehigh.EDU>  
Subject: [79472] RE: JJ&A Bobcat 40 and 80  
Message-ID: <CKEGICNFDIMCEKEDCEHFKELAEAAA.n4xy@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="us-ascii"  
Content-Transfer-Encoding: 7bit

It's very impressive at first glance... but did you check out the price...  
\$379!!! for a MONO-band, 1-W, Direct-Conversion radio? I don't think so.

> -----Original Message-----  
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of  
> Dan  
> Sent: Thursday, September 14, 2000 3:11 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: JJ&A Bobcat 40 and 80  
>  
>  
>  
> Has anyone tried this little rig? Came across their site in a

> web search and it  
> looks impressive.  
> <http://www.jja-instruments.com/radio.html>  
>  
>

-----  
Date: Thu, 14 Sep 2000 03:35:23 -0400  
From: "Ed Tanton" <n4xy@att.net>  
To: "SWL Reflector" <swl@qth.net>  
Cc: "QRP-L Reflector" <qrp-l@Lehigh.EDU>  
Subject: [79473] FW: A Surprising Coronal Mass Ejection  
Message-ID: <CKEGICNFDIMCEKEDCEHFEELBEAAA.n4xy@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

-----Original Message-----  
From: bounce-snglist-98444@lyris.msfc.nasa.gov  
[mailto:bounce-snglist-98444@lyris.msfc.nasa.gov]On Behalf Of NASA Science  
News  
Sent: Wednesday, September 13, 2000 3:50 PM  
To: NASA Science News  
Subject: A Surprising Coronal Mass Ejection

NASA Science News for September 13, 2000

The sunspot number has been remarkably low this week,  
but that didn't stop the Sun from unleashing an unusual  
type of solar flare yesterday. As a result of the  
explosion, a coronal mass ejection is heading toward  
our planet. It could trigger an auroral display when  
it hits Earth's magnetosphere around Sept. 14.

FULL STORY at

[http://science.nasa.gov/headlines/y2000/ast13sep\\_1.htm?list](http://science.nasa.gov/headlines/y2000/ast13sep_1.htm?list)

Home page: <http://science.nasa.gov>

-----  
Date: Thu, 14 Sep 2000 06:38:50 -0400

From: Michael Bower <bowerm@ix.netcom.com>  
To: unlisted-recipients;; (no To-header on input)  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [79474] Re: JJ&A Bobcat 40 and 80  
Message-ID: <39C0AABA.5AB9803@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Ah, but it's not "just a radio". Didn't you see the write-up? You can drive tent stakes with this rig. You can drive over it. It's a mon-bander but it's a multi-tool.

(Sorry. Couldn't resist. It's too early in the morning.)

Michael N4NMR

Ed Tanton wrote:

> It's very impressive at first glance... but did you check out the price...  
> \$379!!! for a MONO-band, 1-W, Direct-Conversion radio? I don't think so.

>

> > -----Original Message-----

> > From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of

> > Dan

> > Sent: Thursday, September 14, 2000 3:11 AM

> > To: Low Power Amateur Radio Discussion

> > Subject: JJ&A Bobcat 40 and 80

> >

> >

> >

> > Has anyone tried this little rig? Came across their site in a

> > web search and it

> > looks impressive.

> > <http://www.jja-instruments.com/radio.html>

> >

> >

--

73 de N4NMR

Michael Bower

Ashburn, VA (near Washington, D.C.)

-----

Date: Thu, 14 Sep 2000 07:36:56 -0400  
From: "Lofstead, Jerry" <Jerry.Lofstead@hboc.com>  
To: "'jfurman@ocs.net'" <jfurman@ocs.net>, Low Power Amateur Radio Discussion  
<qrp-1@Lehigh.EDU>  
Subject: [79475] RE: Need specs on some dipped mica caps  
Message-ID: <95CB658F8515D211B84B00805FA7286603324307@atlexc02ntms.hboc.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="windows-1252"

You are 100% correct in all aspects 8-). THE numbering has nothing to do with the values. If you need to know the values, your going to have to use a capacitance meter... or bridge.

Jerry  
W3CDE  
28 years with AT&T, retired

-----Original Message-----  
From: Jeff Furman [mailto:jfurman@ocs.net]  
Sent: Wednesday, September 13, 2000 6:53 PM  
To: Low Power Amateur Radio Discussion  
Subject: Re: Need specs on some dipped mica caps

Lenny, the KS- prefix has been seen on components manufactured by/for Western Electric Co. I think exclusively for the Bell System. Only post-breakup have these components legitimately seen commercial markets. The telephone company has traditionally considered most of its data proprietary, so it's difficult to find. I found a WE semiconductor summary data book, but, I don't know if there is any listing of other components mortals can see. I have been referred to the Telephone Pioneers club for data old timers might have. I would like to be able to give you a more definitive answer, but it's only a hint. It doesn't look like those part numbers represent a systematic encoding of the electrical parameters.  
73, Jeff Furman AD6MX

--

-----  
Date: Thu, 14 Sep 2000 07:52:47 -0400  
From: "Stephen D. Cohen" <scohen@tampabay.rr.com>

To: "QRP-L Mailing List" <qrp-l@lehigh.edu>, "Jim Huhta" <aa4md@amsat.org>, "Jim Gerhart" <kd4rml@gte.net>, "Warren Elly" <w1gud@tampabay.rr.com>,  
"Garry Allen" <k4cyc@hamclub.org>, "Sean Dougherty" <kg4evw@arrl.net>, "Lee Seeley" <w4ckt@arrl.net>, "Brian Wenholz" <af4sr@hamclub.org>,  
Subject: [79476] CLUB: WestFLA Meeting This Saturday, 16 September 2000  
Message-ID: <NDBBJALMDCJHFFPJMMFKGEODDKAA.scohen@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Ladies and Gentlemen,

The next meeting of the Western Florida QRP Club will be held this Saturday, the 16th of September, 2000 at 10AM. The meeting will run until folks have had enough. This meeting will feature notes on technique from noted fox hunter and renowned DXer Mac Steinmeyer.

The WestFLA meetings run using the NorCal model, to wit, no new business, no old business, no business at all! It will simply be a meeting of like minded people to discuss QRP, homebrewing, kit building and the sort. As such, it is vitally important that people have things to discuss. Please bring a current project, special rig, piece of test equipment or some such to demonstrate and describe to your fellow ham.

As usual, coffee and donuts will be provided. A selection of door prizes will also be awarded, based on what members bring to give away. If you've got a treasure sitting in the junk box that you do not expect to use any time soon, why not bring it along for a door prize?

As usual, Mike Maiorana (KU4QO) and I will bring a selection of test equipment to the meetings to help folks with alignment and troubleshooting of their projects. I will have an oscilloscope, a counter and a signal generator with me.

"So, Steve", you say, "Enough of the shuck and jive... Where is the place?". An excellent question. The TARC clubhouse is located in Tampa Florida. The directions to the clubhouse are:

Take I-275 North or South to the Sligh Exit. Once on Sligh, go east to 22nd Street. Turn left on 22nd Street and go the the very end. Once you are at the end of the street, the clubhouse is on your right next to the ball field. It will be obvious from the tower and antennas.



From north of Tampa, take route 75 south to 275 then follow the above directions.

From south of Tampa, take route 75 north until you get to route 4 west which runs into route 275. You have a choice at 275, and you want to go north on 275 from route 4 and follow the above directions.

From the east, take route 4 west until you run into 275 then take 275 north from there and follow the above directions.

There will be a talk-in on the 147.105(+) N4TP repeater. Just give us a holler if you get lost.

These directions are also available on the TARC web page at <http://www.hamclub.org/tarcweb/way.htm> which is also linked from the WestFLA web page at <http://www.qsl.net/westfla>.

Questions should be forwarded to [westfla@qsl.net](mailto:westfla@qsl.net).

73,

Steve, NF4X

-----  
Date: Thu, 14 Sep 2000 07:56:43 -0400  
From: "AI2Q Alex" <[ai2q@ispchannel.com](mailto:ai2q@ispchannel.com)>  
To: <[myetsko@insydesw.com](mailto:myetsko@insydesw.com)>  
Cc: "QRP-L (E-mail)" <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>  
Subject: [79477] RE: Electronic Component Tester  
Message-ID: <000e01c01e42\$d9f598c0\$5c32a7d0@ispchannel.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

If you want a moderate-bandwidth scope that's small, check out the OsZiFox at <http://www.chipcenter.com/TestandMeasurement/prod042.jhtml>. It's handheld.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:[owner-qrp-l@Lehigh.EDU](mailto:owner-qrp-l@Lehigh.EDU)] On Behalf Of Mike Yetsko

Sent: Wednesday, September 13, 2000 6:17 PM  
To: Low Power Amateur Radio Discussion  
Subject: Re: Electronic Component Tester

Is that the 22-330 thing? A grey box with three alligator clips on leads?

Years ago they sold this big black box that had a dial on it with a neon light. It was an oscillator that fired a neon bulb. And you could get an idea of the gain of bipolar transistors from it. I haven't used it that much, but when I have used it, it's been a great tool.

You could 'sorta' even match transistors with it, by where the light went out as you turned the dial.

This sounds like another tool to have on the shelf.

But I personally want the Wavetek LAN cable tester. The two piece guy. I just this summer wired the house for 10bt prior to getting a cable modem, and borrowed one of those things. You just can't BELIEVE how much that simplifies wiring work!!! (910-4493 for \$80 on pg 233 of the catalog!)

Then I want a pocket oscilloscope... I'd be a settler and settle for the Fluke 123...

Mike

> Radio Shack sells a device by subject name for \$20.00 and I went  
> to a store with a plastic bag of transistors and played with it. Then  
> bought it. It requires 3 AAA batteries and the Owners Manual leaves a lot  
> to be desired. It is in a language that a Swedish guy said he knows is  
> english...

> But if you put a "think it's a transistor" because it has 3 leads  
> on the Tester it will show you the pin that's Base or Gate with a steady  
> light and which is the Anode or Collector or Drain. A light tells you if  
> it's NPN or PNP.

> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----

Date: Thu, 14 Sep 2000 08:01:02 -0400

From: "AI2Q Alex" <ai2q@ispchannel.com>  
To: <k7sz@epix.net>  
Cc: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>  
Subject: [79478] Aha!  
Message-ID: <000f01c01e43\$74b78440\$5c32a7d0@ispchannel.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello Rich!

Many thanks--at last--for providing a technical explanation of the relationship between a kW and a QRP signal in this month's QST column. Good job explaining it to novices. I would've liked to see an explanation of the Bel and perhaps the log equation for dB as well, but maybe you can expand on that in the near future.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----  
Date: Thu, 14 Sep 2000 08:11:24 -0400  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>  
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>  
Subject: [79479] CQ VA5RF  
Message-ID: <200009140811\_MC2-B349-A71@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
        charset=ISO-8859-1  
Content-Disposition: inline

Please contact me off-list so we can send your Summer FOX Hunt prize. =

Thanks and congratulations again :-). =

72/73,  
--W.D. (Doc) Lindsey  
DSBF  
PO Box 6028  
Bismarck, ND 58506  
(Shipping =3D DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)  
E-Mail =3D K0EVZ@arrl.net

-----  
Date: Thu, 14 Sep 2000 08:11:25 -0400  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>  
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>  
Subject: [79480] CQ Arlen K6VNX  
Message-ID: <200009140811\_MC2-B349-A72@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
          charset=ISO-8859-1  
Content-Disposition: inline

Arlen:

Please get in touch with me ASAP. Trying to send your FOX prize, but you=  
r  
old e-mail address (k6vnx@juno.com) bounced. Therefore please write to m=  
e  
off the list and we'll go from there. Congratulations again :-).

72/73,

--W.D. (Doc) Lindsey  
DSBF  
PO Box 6028  
Bismarck, ND 58506  
(Shipping =3D DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)  
E-Mail =3D K0EVZ@arrl.net

-----  
Date: Thu, 14 Sep 2000 08:16:06 -0400  
From: Ronald\_A\_Pfeiffer@res.raytheon.com  
To: qrp-l@Lehigh.EDU  
Subject: [79481] Filters?  
Message-ID: <8525695A.00435FA6.00@ressud-as01.res.ray.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

Should have asked this before I opened my checkbook but ..

My rig has DSP in the 9mhz IF and ability to place filters at both  
the 9 mhz and 455khz. I'd like pointer to material that explains  
the advantage of filtering in each area and both. I've put a 500Hz filter  
at both IF's but I "hear" no difference between either one active

and both active at the same time! Maybe its my ears ( age ) or my experience with only minimal QRP rigs.

Any help greatly appreciated.

Ron - N1ZSW

-----  
Date: Thu, 14 Sep 2000 08:26:30 -0400  
From: n3wt@juno.com  
To: wd3p@juno.com  
Cc: qrp-l@Lehigh.EDU  
Subject: [79482] Re: dsw-20 does it agn  
Message-ID: <20000914.082631.-264109.0.n3wt@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Hi Larry,

Congrats on the DX with your great DSW-20 from the car. This past June, I was about to order a DSW-20, but new production of kits stopped, so I opted for the OHR-100A. Works great too. What type of antenna do you use on the car?? I also live in Maryland, in Jefferson, MD, and I have gone up to the Appalachian Trail near Burkettsville, MD a couple of times with an inverted vee or dipole in the trees. Worked great. Im putting together a backpackable vertical for 20 meters , which I will set up this weekend. I think perhaps a quarter wave vertical set up in the clear with radials may work better than a low dipole in the thick trees.

Sometimes, where I want to set up , the tree limbs just dont cooperate.

Just a few minutes ago I worked AX4XA in Brisbane Australia and received a RST 589 , on 20 meters. This QRP stuff is great . Home antenna is a full wave 80 meter delta loop, sloping.

Anyway, what type of antenna have you been using on the car? I want to do some more portable QRP. setting up a dipole or even the big vertical is not always pratical.

Im very new to QRP, only since June, 2000. Have 67 dxcc countries worked so far on QRP with the OHR-100A, but I prefer rag chewing with state side stations.

73's

John, N3WT

by the way, I have on order a Elecraft K1, which I should receive by mid October. Then I will be able to work both 20 and 40 meters QRP.

-----  
Date: Thu, 14 Sep 2000 08:31:32 -0400  
From: "Scott Hotchkiss" <w4pj@bellsouth.net>  
To: <n4xy@att.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [79483] Re: JJ&A Bobcat 40 and 80  
Message-ID: <002101c01e47\$b773ba20\$70d04dd8@w4pj>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

My thoughts exactly.  
de W4PJ  
Scott R. Hotchkiss  
Fort Lauderdale, Florida  
----- snip-----

> \$379!!! for a MONO-band, 1-W, Direct-Conversion radio? I don't think so.  
> > <http://www.jja-instruments.com/radio.html>

-----  
Date: Thu, 14 Sep 2000 08:41:05 -0400  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>  
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>  
Subject: [79484] Summer FOX Prizes  
Message-ID: <200009140841\_MC2-B354-3B6F@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
charset=ISO-8859-1  
Content-Disposition: inline

Gang:

We are sending out the various prizes for the winners of the Summer FOX Hunt. We are using the e-mail and other address information on QRP-L. =

Sure hope it is current :-). =

If perchance \*your\* information has changed, please e-mail me off the list so we will get the job done quickly.

Thanks in advance and GL in the upcoming winter hunt.

72/73,

--W.D. (Doc) Lindsey

DSBF

PO Box 6028

Bismarck, ND 58506

(Shipping =3D DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)

E-Mail =3D K0EVZ@arrl.net

-----  
Date: Thu, 14 Sep 2000 08:50:07 -0400

From: "Lofstead, Jerry" <Jerry.Lofstead@hboc.com>

To: "'sigcom@juno.com'" <sigcom@juno.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [79485] RE: Crystal current? & help w/part

Message-ID: <95CB658F8515D211B84B00805FA7286603324309@atlexc02ntms.hboc.com>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="windows-1252"

If you do not want to be a "drifter" from xtal heating, limit the power to 100 mw. This comes from design work when I was doing military radio designs. You could also contact ICM (International Crystal Mfg.) for further info.

Jerry

W3CDE

-----Original Message-----

From: Stephen M Smith [mailto:sigcom@juno.com]

Sent: Wednesday, September 13, 2000 7:10 PM

To: Low Power Amateur Radio Discussion

Subject: HB: Crystal curren? & help w/part

Group,

What is the maximum safe crystal current on HC-49/U crystals like the ones NorCal sells?

Also, does anyone have a spec. sheet or know where to find one on a Motorola MMT74. This thing looks like a MMIC but it has 3 leads so it's probably a FET or bipolar of some sort. The case is blue plastic with a red dot covering the top. I did a search w/Google and on the Moto Semi web site w/no joy. TIA

73.....Steve, WB6TNL Oxnard, CA USA  
The Scrounger "snort rosin"

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Thu, 14 Sep 2000 09:14:34 -0400  
From: "John P. Cummins, Sr." <jpcummins@att.net>  
To: unlisted-recipients:; (no To-header on input)  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [79486] Re: Ok that was fun.  
Message-ID: <39C0CF3A.E82D127F@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

If you really want to protect your rig(s)... Get a NoGa PiG  
(Power/Indicator Guard). Check out:

<http://www.qsl.net/nogaqrp/>

Pickett, AD4S

Dan wrote:

> to those who advised on putting a diode in to protect against reverse  
> polarity, I was at rat shack today and picked up a couple(100vlt 1 amp ones  
> I think) and intend to put one in. I DO NOT want to fry my little radio :)  
>



> Dan

-----  
Date: Thu, 14 Sep 2000 09:31:12 -0400  
From: Ken Newman <N2CQ@citnet.com>  
To: epaqrp-l@lehigh.edu, "Eastern PA QRP Club" <epaqrp-l@lehigh.edu>, QRP-L@lehigh.edu, njqrp@njqrp.org  
Subject: [79487] Re: Welcome Home  
Message-ID: <3.0.6.32.20000914093112.007f5210@mail.citnet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 07:05 AM 9/14/00 -0400, Ron Polityka wrote:

>Welcome home Ken!!!!

>

>What a way to start you retirement with a while wind

>tour of the Appalachian Trail!!

>

>I guess I will be receiving another entry for a certificate.

>I hope you got the 14 states for the Trail Award.

>

>How was the work on the WAS Award. I seen one e-mail

>on QRP-L that a California ham heard both sides of the QSO

>on 40 meters around 8PM. The bands sound like they were open.

>

>72 & 73

>Good DXing

>

>Ron Polityka

>de N3EPA

>n3epa@fast.net

>

>vvv Eastern Pennsylvania QRP Web Page vvv

> <http://www.n3epa.org>

>

>Eastern Pennsylvania QRP Club Call

>N3EPA E-mail address: n3epa@fast.net

>

>

>

Thanks, Ron!

Yes, with all the help on the e-mail lists, I completed the Trail Award with a QSO to GA in the last hour of operation in MD! I had 221 e-mail messages to look at and yours is the first message I read. If you include QRP-l Digest (700-800 more?) and Elecraft Digest (another 300-400 more ?) i'll be busy for the next two weeks! I'll work out a report on the trail

in the next few days.

Right up front I'd like to say that QRPers are the best of the best! All the concern and help for me on the trip had many friends with me on the trail instead of alone. Many thanks to all!

72,

Ken - N2CQ

-----  
Date: Thu, 14 Sep 2000 10:15:36 -0400  
From: Ken Newman <N2CQ@citnet.com>  
To: epaqrp-1@lehigh.edu, QRP-L@lehigh.edu, njqrp@njqrp.org  
Subject: [79488] CONTEST: QRP Contesting - Sept 16/17, 2000  
Message-ID: <3.0.6.32.20000914101536.0091a100@mail.citnet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

~~~~~  
QRP CONTEST CALENDAR

September 16/17, 2000

~~~~~  
Scandinavian Activity Contest (CW) ... QRP Category

Sep 16 - 1200z to Sep 17 - 1200z

Rules: <http://www.sk3bg.se/contest/sacnsc.htm>

~~~~~  
Washington State Salmon Run (CW/SSB) ... QRP Category

Sep 16 - 1600z to Sep 17 - 0700z

Sep 17 - 1600z to Sep 17 - 2400z

Rules: <http://www.wwdxc.org/salmonrun/rules.htm>

~~~~~  
QRP Afield (CW/SSB/Digital) \*\*\* QRP Contest \*\*\*

Sep 16 - 1800z to Sep 17 - 1800z (Any 8 hours)

Rules: <http://www.qsl.net/wq1rp/contests.00>

~~~~~  
NA Sprint (SSB)

Sep 17 - 0000z to 0400z

Rules:  
<http://www.ncjweb.com/index.php3?leftcol=contestmenu&rightcol=sprintrules1>

~~~~~  
Tennessee QSO Party

Sep 17 - 1800z to Sep 18 - 0100z

Rules: <http://www.k4ro.net/tcg/tqp/tqp99fin.html#rules>

~~~~~  
AND LATER .....

~~~~~  
CQWW RTTY DX Contest ... QRP QRM

Sep 23 - 0000z to Sep 24 - 2400z

Rules: <http://www.arrl.org/contests/months/sep.html>

~~~~~  
Scandinavian Activity Contest (SSB) ... QRP Category

Sep 23 - 1200z to Sep 24 - 1200z

Rules: <http://www.sk3bg.se/contest/sacnsc.htm>

~~~~~  
Alabama Heart of Dixie QSO Party (CW/SSB) ... QRP Category

Sept 24 - 1800z to Sept 25 - 0100z

Rules: <http://www.qsl.net/kt4xa/aqp/rules.html>

~~~~~  
Texas QSO Party (All) ... QRP Category

Sep 30 - 1400z to Oct 01 - 0500z  
Oct 01 - 1400z to Oct 01 - 2000z

Rules: <http://home.flash.net/~nars/tqpru12000.htm>  
~~~~~

72 de  
Ken Newman - N2CQ

N2CQ@ARRL.NET            <http://www.NJQRP.org>            <http://www.N3EPA.org>  
<http://www.qsl.net/cqrp/contests.html>

-----  
Date: Thu, 14 Sep 2000 10:20:09 -0400  
From: Bill Lazure <n2tpa@juno.com>  
To: QRP-L@lehigh.edu  
Subject: [79489] Re: Any experience with the isotron antennas  
Message-ID: <20000914.102249.-166799.2.n2tpa@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

The Isotron 20, 15, and 10 are different structurally from the Isotron 160, 80, and 40. I own a 15, 10, and 80. As I said in my original post, the 10 and 15 work, the 80 doesn't. Perhaps the difference in structure is why you've had good luck, but owners of the lower band version haven't.

Bill  
W2EB

O EuroM6@aol.com writes:  
> I'm not sure why all the bad-mouthing of the Isotron.....

    with 10m, 15m, & 20m Isotrons in the attic  
> and I've

> had great results.

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Thu, 14 Sep 2000 07:32:08 -0700 (PDT)

From: Steve Yates <aa5tb@yahoo.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [79490] Re: JJ&A Bobcat 40 and 80

Message-ID: <20000914143208.3561.qmail@web3005.mail.yahoo.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Neat little rig but the price must be tailored for the Army.

I can't understand why they chose to have the rig connected directly to the CENTER of the dipole

antenna rather than at the END. A simple internal coupling network would be all that is necessary

and the important part of the antenna, the center, could be placed a bit higher and you wouldn't

have to stand up to operate. It would make the rig a lot more convenient to operate since it

could be placed where ever you want it and just run the antenna from there.

=====

73,

Steve Yates - AA5TB

Fort Worth, TX - EM12gs

<http://www.geocities.com/aa5tb>

[aa5tb@arrl.net](mailto:aa5tb@arrl.net)

-----  
Do You Yahoo!?

Yahoo! Mail - Free email you can access from anywhere!

<http://mail.yahoo.com/>

-----  
Date: Thu, 14 Sep 2000 07:36:29 -0700 (PDT)

From: Monte Stark <ku7y@dri.edu>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [79491] Re: Who's going to Pacificon?  
Message-ID: <Pine.GS0.4.10.10009140734340.9654-100000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

I can't make it this year. I'll be up in Idaho hunting deer and elk with my new Ruger .454 Casull.

And there is a new grand baby due on the 5th of Oct which will also demand some attention!

But Pacificon is one of the top events for the QRPers. If there is any way that you can make it, it will be worth it.

Enjoy,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....  
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....  
....Visit my Home Page.....<http://www.qsl.net/ku7y/>....

-----

Date: Thu, 14 Sep 2000 08:00:35 -0700 (PDT)  
From: Monte Stark <ku7y@dri.edu>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [79492] Wireless Ephones  
Message-ID: <Pine.GS0.4.10.10009140756451.9885-100000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

I received MANY notes asking about what I had and where I got them.

Yesterday I got another catalog from this place and on the cover are some that are very close to what they had when I got mine.

Heartland America, 1-800-229-2901

<http://www.heartlandamerica.com>

900 MHz. \$29.99 which reflects a \$10 mail-in rebate.

These sound like they are better than what I have. Mine do not recharge the batteries while these do.

Hope this helps,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....  
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....  
....Visit my Home Page.....<http://www.qsl.net/ku7y/>....

-----  
Date: Thu, 14 Sep 2000 09:12:53 -0700  
From: Brian Kassel <bkassel@dancris.com>  
To: QRP-L <QRP-L@lehigh.edu>, jamesd1@flash.net  
Subject: [79493] [79385] Re: ULN2111A FM IF IC's -- Good for AM/SSB/CW work too  
Message-ID: <39C0F905.CF49D2D2@dancris.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Jim and Gangue:

The majority of responses that I received on the use of the ULN-2111 IC were negative. Most stated that although the chip COULD be pressed into service as an AM/CW device, it would probably be better overall to use a newer IC, actually made for the job.

With that in mind, I decided not to go for the deal. After that, I received several, somewhat more positive responses, but too late to get the devices. Guess that the whole thing is pretty much a wash. It would have been nice to experiment with them, as the price was basically \$.05 ea., but if a product were designed around the chips, only the supply of those first devices could be used to any advantage.

Thanks to all who contributed to my question, and thanks for such great in depth analyses, and nice discussion too.

Brian K7RE

-----  
Date: Thu, 14 Sep 2000 11:39:53 -0700  
From: "Dave Benson" <nn1g@earthlink.net>  
To: <w5xe@juno.com>, <qrp-1@lehigh.edu>  
Subject: [79494] Re: 80M PSK31 frequencies  
Message-ID: <000e01c01e7b\$47f62be0\$9c9b2a3f@pavilion>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Ray Colbert <w5xe@juno.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Wednesday, September 13, 2000 11:09 AM  
Subject: Re: 80M PSK31 test results

>Why is it that digital people insist on getting  
>right next to other types of operations i.e.  
>glowbug/boatanchor and colourburst transmissions/qso's  
>are using 3579-3580 and I don't think the modes are going  
>to be compatible. ....

Ray-

It's a good question! The issue of 'standard PSK frequencies' completely aside, we're interested in making the club project offering as simple as possible consistent with good design practice. At the same time, we're interested in holding the cost down. These factors make the choice of the color-burst crystal an obvious one- there are six of them in the design, and it would be a "no-go" at a different frequency.

The irony, of course, is that multiple interests- namely, color-burst club rigs, 'glowbugs' and now the NJ club are all around 3580 for the same reason: inexpensive crystals. Perhaps this has come full-circle- I worked with Paul Kranz, W1CFI, and John Collins, KN1H in '92 to field one of the early club offerings using those crystals!

I think the good news is that there seems to be room for all on 80M. I've been monitoring around 3580 for the last few nights, and I have not seen any CW transmissions. I realize that we're just getting into the quieter fall season, so perhaps things will pick up later on. In the meantime, I don't suspect that our 4W signals will pose a significant interference threat to CW users. The other benefit I hope we'll see out of this burst of activity is a renewed interest in (and use of) 80 meters. Joe Everhart will be publishing his article on a shortened antenna for 80M, and we're eagerly awaiting that.



For my part, I want to look into a small loop antenna for 80 meters. For an application as narrowband as this one, the very high-Q nature of these loops is no longer such a drawback- a couple of KHz BW at a fixed frequency is all it needs. My point here is that just the act of getting back on the air on 80M (or any other band) and tackling something new and interesting leads to 'spinoffs'- other neat projects to keep us engaged- and keep our HF allocations alive and well.

73- Dave, NN1G

-----  
Date: Thu, 14 Sep 2000 12:13:32 -0400  
From: "Ron McConnell" <rcmcc@lucent.com>  
To: "'QRP-L'" <qrp-l@lehigh.edu>, <njqpr@njqpr.org>  
Cc: "'X-w2iol'" <w2iol@arrl.net>  
Subject: [79495] Tower Climbing Robot, mostly OT  
Message-ID: <002301c01e66\$bab3b1d0\$91051187@adc\_lab9.amc.bell-labs.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

If some enterprising ham could afford to buy one of these tower climbing robots and rent it out to other hams, it could save some injuries and lives.

73,

Ron McConnell  
w2iol@arrl.net

-----Original Message-----  
From: The Learning Kingdom [mailto:fact1@proteus.LearningKingdom.com]  
Sent: Thursday, September 14, 2000 3:50 AM  
To: Cool Fact of the Day List  
Subject: Cool Fact: Climbing Robot

-----  
The Learning Kingdom's Cool Fact of the Day for September 14, 2000  
-----

What kind of robot can climb among steel girders?

-----  
Engineers at the University of Madrid have developed "ROMA," a robot able to nimbly climb the complex girders of bridges, towers, and buildings under construction. While it climbs, it sends a constant stream of video and other data to operators on the ground.

The robot can replace human climbers who put themselves in danger by scaling tall structures looking for flaws, damage, or corrosion. It can carry a complete, 3-D map of whatever structure it is climbing, and can make immediate decisions to protect itself from slips or falls.

With two powerful, swiveling claws attached on opposite sides of a rectangular "brain box", the robot climbs by swinging on one claw, attaching the other, and releasing the first. It can be powered by a long cable or onboard batteries. In the future, robots like ROMA may assist human astronauts constructing large space structures.

More about ROMA:

[http://www.discover.com/nov\\_99/breakclaw.html](http://www.discover.com/nov_99/breakclaw.html)

<http://www.uwe.ac.uk/clawar/newsletters/issue2/ROMA.html>

Many other climbing robots are on the way:

<http://ls11-www.informatik.uni-dortmund.de/people/ziegler/RoboterLaufenKlettern.html>

Read about the robot that flew across an ocean:

<http://features.LearningKingdom.com/fact/archive/1998/12/22.html>

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<http://www.LearningKingdom.com>

-----  
Date: Thu, 14 Sep 2000 12:50:47 -0400  
From: "George Goodroe" <goodroe@worldnet.att.net>  
To: "QRP-L post \ (E-mail\)" <QRP-L@lehigh.edu>  
Subject: [79496] FS: Kenwood TS440SAT with RigBlaster  
Message-ID: <4921D6AF1F7BD31184EF00E018C1A3510113E2@GEM01>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

For Sale

Kenwood TS440 SAT - has been checked out and is free of Kenwood disease! Has YK88C CW filter 500 Hz and YK88SN SSB Filter 1.8 kHz and built in antenna tuner Cosmetically is a 9 out of 10. It includes the hand microphone, power cable and manual. it can be viwed at <http://www.goodroe.org/data/440.jpg>

I will also include a West Mountain Radio RigBlaster that has been setup for this radio. Several PSK-31 QSO's have been logged with it. Of course it will also do RTTY and CW with the included programs. Also includes manual. It can be viwed at <http://www.goodroe.org/data/rig.jpg>

Price is \$725 shipped to your QTH insured ( If shipping exceeds \$20 I will adjust price slightly) Please contact me via email at [goodroe@att.net](mailto:goodroe@att.net) or days at 1-888-366-9935 ext122, I do accept VISA through PayPal or MO/cashiers checks

73 de KF4CPJ  
George Goodroe  
St. Petersburg, FL USA

-----  
Date: Thu, 14 Sep 2000 09:45:13 -0700  
From: "Phinizy, William" <[wphinizy@filenet.com](mailto:wphinizy@filenet.com)>  
To: "QRP-l Forum (E-mail)" <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>  
Subject: [79497]  $V_{rms} = 0.707 \times V_{peak} = 0.5(0.707 \times V_{pp}) = 0.3535 \times V_{pp}$ ?  
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F04B7666A@hq-expo2.filenet.com>

I appreciate the group's forbearance. his question has been asked and answered before, I am sure, but one more time for us real dummies (speak for yourself, Bill):

I have an AN/URM-25D signal generator whose meter is calibrated in micro-volts. Is this peak-to-peak or RMS (I suspect the former). If it is RMS then the readings I get using an RF probe/DVM should be similar. If peak-to-peak, then the indications on a scope should be equivalent, as in:

$$V_{rms} = 0.707 \times V_{peak} = 0.5(0.707 \times V_{pp}) = 0.3535 \times V_{pp}$$

Again, my thanks in advance.

W. H. Phinizy, K6WHP  
Principal Engineer  
FileNET Corporation

-----  
Date: Thu, 14 Sep 2000 11:51:33 -0500  
From: "Dan W. Dooley" <dandooley@pipeline.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [79498] Re: 80M PSK31 frequencies  
Message-ID: <004b01c01e6c\$0c13cf60\$0100a8c0@dandooley>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Speaking of inexpensive xtals, has anyone converted the TT2 to 80 meters?

I've got a couple of the color burst (3579.545) xtals here. My TT2 is still in the parts collecting stage.

Interestingly, one of the xtals is built inside an actual miniture vacuum tube. Seven pin variety. I can see it already. A vacuum tube 80 m QRP xmtr project here.

Dan W. Dooley WB5TKA Bedford, Texas EM12ku  
e-mail to: dandooley@pipeline.com  
SOC #198, FPQRP # -104  
May Goddes love blest ye alle  
"Ancient Pistol, I do partly understand your meaning."

----- Original Message -----

From: "Dave Benson" <nn1g@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Thursday, September 14, 2000 1:39 PM  
Subject: Re: 80M PSK31 frequencies

>  
> The irony, of course, is that multiple interests- namely, color-burst  
> club rigs, 'glowbugs' and now the NJ club are all around 3580 for the same  
> reason: inexpensive crystals. Perhaps this has come full-circle- I worked  
> with Paul Kranz, W1CFI, and John Collins, KN1H in '92 to field one of the

> early club offerings using those crystals!

>

> 73- Dave, NN1G

>

>

>

-----  
Date: Thu, 14 Sep 2000 09:46:12 -0700

From: schoon@amgt.com

To: <qrp-1@Lehigh.EDU>, <wphinizy@filenet.com>

Subject: [79499] RE:  $V_{rms} = 0.707 \times V_{peak} = 0.5(0.707 \times V_{pp}) = 0.3535 \times V_{pp}$ ?

Message-ID: <c=US%a=\_%p=American\_Geotech%l=AG-CALCITE-

BD-000914164612Z-3349@mail.amgt.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

Slight error in your equation, it should be:

$0.3535 \times .5V_{pp}$

72

.mark

>-----

>From: Phinizy, William[SMTP:wphinizy@filenet.com]

>Sent: Thursday, September 14, 2000 9:45 AM

>To: Low Power Amateur Radio Discussion

>Subject:  $V_{rms} = 0.707 \times V_{peak} = 0.5(0.707 \times V_{pp}) = 0.3535 \times V_{pp}$ ?

>

>I appreciate the group's forbearance. his question has been asked and  
>answered before, I am sure, but one more time for us real dummies (speak for  
>yourself, Bill):

>

>I have an AN/URM-25D signal generator whose meter is calibrated in  
>micro-volts. Is this peak-to-peak or RMS (I suspect the former). If it is  
>RMS then the readings I get using an RF probe/DVM should be similar. If  
>peak-to-peak, then the indications on a scope should be equivalent, as in:

>

>  $V_{rms} = 0.707 \times V_{peak} = 0.5(0.707 \times V_{pp}) = 0.3535 \times V_{pp}$

>

>Again, my thanks in advance.

>

>W. H. Phinizy, K6WHP

>Principal Engineer  
>FileNET Corporation  
>  
>

-----  
Date: Thu, 14 Sep 2000 12:56:55 EDT  
From: DYARNES@aol.com  
To: ku7y@dri.edu, qrp-1@lehigh.edu  
Subject: [79500] Re: Wireless Ephones  
Message-ID: <d9.9947bb1.26f25d57@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

In a message dated 9/14/00 8:02:20 AM US Mountain Standard Time, ku7y@dri.edu writes:

<< <http://www.heartlandamerica.com>

900 MHz. \$29.99 which reflects a \$10 mail-in rebate.

These sound like they are better than what I have. Mine do not recharge the batteries while these do.

Hope this helps,  
>>

I might add a little precautionary advice here--While these headphones appear to be of the kind that you can walk around freely, be advised that some "900 mhz" wireless headphones will not work if you do not have line of sight to the transmitter. Many of the earlier versions of wireless headphones were of this type, and I know Heartland, and other mail order discounters, sold them.

I have one of these newer systems (RCA I think), and it works great. I can walk almost anywhere in the house and still hear the radio clearly. It's great when you want to grab another cup of coffee. On CW, if you have a good QSO going, you might even be able to squeeze in a quick trip to the "library" without missing a beat!

72 de Dave W7AQK

-----  
Date: Thu, 14 Sep 2000 10:51:38 -0700

From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: <qrp-1@lehigh.edu>  
Subject: [79501] Pacificon: Pacificon QRP ID Badge Info  
Message-ID: <01c01e74\$6ee64c00\$330b0d0a@dhendricks>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hey guys, Jerry Parker, WA6OWR, the NorCal Web Page guy, is doing ID badges for QRPacificon again this year. If you are going to attend, please send Jerry an email with your name and call. He will make up a special Laminated badge for you to wear so that you will be identifiable as a QRPer. Jerry's email address is:

jparker@fix.net

Please put QRPacificon Badge in the subject line.

Thanks to Jerry for this volunteer effort. 72, Doug, KI6DS

-----  
Date: Thu, 14 Sep 2000 11:05:42 -0700  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: <qrp-1@lehigh.edu>  
Subject: [79502] Pacificon: Friday Night Operating Event  
Message-ID: <01c01e76\$663fb800\$330b0d0a@dhendricks>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Last year we did an experiment by holding a fox hunt at Pacificon, with Mike Gipe, K1MG as the fox, and everyone used their TT2/MRX transceiver combos as rigs. It was a riot. I have never seen so much excitement and fun at a qrp event. This year, we are going one step farther. We will have a qso party. The thought was that with a fox hunt activity you only get to have one qso at a time going on, and once you get the fox, you are done. Well, we decided to change the format this year. We wanted to have an operating event, but we wanted it to last longer than one contact. Several of us were talking at a NorCal meeting, and someone suggested that we "borrow" (note polite word for steal) the idea of a quick qso party from the guys at ARS, (you do belong don't you? See

<http://www.natworld.com/ars/>

if you don't). Here is what we came up with for this year.

The feature event on Friday night will be an SMK-1 QSO party. This fun event will start at 8 PM and run for one hour. At the end of the hour, we will exchange qsl cards for the contacts that you have made. Since this is a qrp event, we want qrp qsl cards. So guys, get one of the qsl maker programs, and make some business card sized qsl cards!! The required info will be Stations Call, RST, Name, and first year licensed, date, time & frequency.

You must run an SMK-1 rig to participate, and you may use any antenna that you can fit into the room. (Note, you may not attach the antenna to the walls with any type of tape, nails, staples, old gum, hot glue gun, etc.). The idea will be to work as many stations as you can with your SMK-1. You may modify your SMK, you may bring outboard filters, but your rig must be an SMK. After the QSO party, the operator with the most qso's will be awarded a prize.

The rest of the evening will be spent visiting.

If you don't have an SMK-1, Jim Cates has a good supply of them on hand and ready to ship. The SMK-1 is a 40 meter transceiver with separate VXO's for transmit and receiver with 1.5 kHz of coverage for transmit and 4 to 5 kHz for receive. It is built using surface mount (1206) parts and hundreds have been successfully built, several by hams in their 80's. The record for oldest Ham is 83, but there is an 84 year old in NJ working on breaking the record, grin. The cost for the transceiver is \$30 + \$4 s&h. Send Check or MO to: Jim Cates, 3241 Eastwood Rd., Sacramento, CA 95821. Please enclose a self addressed mailing label.

To get more info on the SMK-1 go to [www.redhotradio.com](http://www.redhotradio.com) and click on the SMK-1 button.

I hope to see you at QRPacificon, and I'll be looking for you in the contest. 72, Doug, KI6DS

-----  
Date: Thu, 14 Sep 2000 14:13:27 -0400  
From: tbowman@nbn.net  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [79503] Re: 80M PSK31 frequencies  
Message-ID: <001092813180e90NBN1@nbn1.nbn.net>

> I think the good news is that there seems to be room for all on 80M.  
>I've been monitoring around 3580 for the last few nights, and I have not  
>seen any CW transmissions



For what it's worth, I tried 80m last night (Weds nite) for the first time in years, thanks to Dave Benson's earlier message about the arrival of PSK31 there.

The most notable signal here in SE Pennsylvania was W1AW on 3581.5 kHz CW throughout the evening. Next to that, the only thing I heard was a bunch of TV oscillators.

Also, every 80Hz there was some kind of spurious signal - maybe from my computer monitor, maybe from some neighbor's TV.

I tried calling on 3580.5 using PSK31 shortly after 2300 hrs local, but no answers.

I'll try again tonight on 3580.5. about 2100 local.

If there is a more unlikely band for a QSO with all that TV noise, let me know....

73,

Tom, WA3REY

-----  
Date: Thu, 14 Sep 2000 18:24:25 +0100  
From: "David Hurley,n2zhy" <n2zhy@amsat.org>  
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [79504] JJ&A Bobcat 40 and 80  
Message-ID: <39C109C9.DC4D7416@amsat.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The rig situated between the 2 legs of the dipole seems a little weird but would seem to be very efficient and saves weight. I did read on the web page that a coax adapter, to remote the rig from the dipole, comes with the rig. Fewer parts more durability less weight kinda thing. Maybe not your fathers contest rig but everything you need for emergency communications. Lots of neat features, it would be great for my kayak or backpack trips. I wouldn't be surprised if some clever person (not me), from this list developed it.

David Hurley,n2zhy  
Princeton,NJ

-----  
Date: Thu, 14 Sep 2000 11:26:36 -0700  
From: Allan G Taylor <k7gt@qsl.net>  
To: qrp-1@Lehigh.EDU  
Subject: [79505] Let me take your SMK-1 to Pacificon...  
Message-ID: <39C1185C.384E@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

2nd try, same request. I really enjoyed the FOXHUNT IN A ROOM last year at Pacificon and would love to participate again. But I have not made (and prefer to not make up) an SMK-1 of my own. (I have about three kits in the 'in basket' already). So.... if you have made up an SMK-1 and will not be able to join us in Concord, why don't you loan it to me for the event.

If no one steps up to the plate here, I may be tempted to participate from the parking lot with the 706...(naw, I wouldn't stoop so low...)

GT

--

Allan Taylor K7GT Pleasanton/Livermore CA

k7gt@qsl.net or k7gt@aol.com

-----  
Date: Thu, 14 Sep 2000 11:26:42 -0700 (PDT)  
From: Monte Stark <ku7y@dri.edu>  
To: DYARNES@aol.com  
Cc: qrp-1@lehigh.edu  
Subject: [79506] Re: Wireless Ephones  
Message-ID: <Pine.GS0.4.10.10009141124430.12608-1000000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 14 Sep 2000 DYARNES@aol.com wrote:

> In a message dated 9/14/00 8:02:20 AM US Mountain Standard Time, ku7y@dri.edu  
> writes:  
>  
> << <http://www.heartlandamerica.com>  
>

> 900 MHz. \$29.99 which reflects a \$10 mail-in rebate.  
>  
> These sound like they are better than what I have. Mine  
> do not recharge the batteries while these do.  
>  
> Hope this helps,  
> >>  
>  
>  
> I might add a little precautionary advice here--While these headphones appear  
> to be of the kind that you can walk around freely, be advised that some "900  
> mhz" wireless headphones will not work if you do not have line of sight to  
> the transmitter. Many of the earlier versions of wireless headphones were of  
> this type, and I know Heartland, and other mail order discounters, sold them.

Yep,

But the ad does say that these will transmit clear, lifelike  
sounds through walls, floor and other solid objects....etc.

So I'd guess these should be OK. Original price was around  
\$130 from what they say.

cul,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....  
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....  
....Visit my Home Page.....<http://www.qsl.net/ku7y/>....

-----

Date: Thu, 14 Sep 2000 14:27:27 -0400  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>  
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>  
Subject: [79507] Summer FOX Hunt website  
Message-ID: <200009141428\_MC2-B362-4C5E@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
charset=ISO-8859-1  
Content-Disposition: inline

Gang:

As a reminder, the results of this summer's FOX hunt are posted on the website =3D <http://www.cqc.org/sfox>. Again, congratulations to everyone who took part. Thanks to all of our generous prizes donors as well.

72/73,

--W.D. (Doc) Lindsey

DSBF

PO Box 6028

Bismarck, ND 58506

(Shipping =3D DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)

E-Mail =3D K0EVZ@arrl.net

-----  
Date: Thu, 14 Sep 2000 11:30:51 -0700

From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>

To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>, "'sigcom@juno.com'" <sigcom@juno.com>

Subject: [79508] Re: HB: Crystal curren?

Message-ID: <87568F78ABDCD211A0AC0008C707718B029D1036@az10exm03.sat.mot.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

>Group,

>What is the maximum safe crystal current on HC-49/U crystals like the  
>ones NorCal sells?

Trying to piece some things out of the Digikey catalog with data from several different crystals, it looks like "modern" HC-49/U type crystals seem to get rated at 0.5 mW of drive, and have a series resistance of around 80 ohms in the 6-10 MHz range. This should be good enough for a first approximation.

$P = I^2 R$ ,  $I = \sqrt{0.0005/80} = 2.5 \text{ ma RMS or } 3.5 \text{ ma peak or } 7 \text{ ma peak to peak current.}$

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

-----  
Date: Thu, 14 Sep 2000 14:43:38 EDT

From: RangerSF5@aol.com

To: qrp-1@lehigh.edu

Subject: [79509] FS D-104 MIC.....& LQQKing

Message-ID: <27.ae60177.26f2765a@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi Gang.

I have a new never used D-104 MIC with the Amp built in.

All chrome and A-1+ condition.

\$75.00 + shipping.or trade?????? LQQKing for an SST for 40-m or 20-M

Thanks

Bob

WA2HOQrp <tm>

-----  
Date: Thu, 14 Sep 2000 14:43:11 -0400  
From: "Hare, Ed, W1RFI" <w1rfi@arrl.org>  
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.edu>  
Subject: [79510] RE: Electronic Component Tester  
Message-ID: <125490A005E3D3118C9C00805FC743CCB2C5C7@mail.arrl.org>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Alex offers:

> If you want a moderate-bandwidth scope that's small, check  
> out the OsZiFox

And if you want a moderate bandwidth scope that is big, and "restorable" (translation: we got far too many to plug more than a few of them in), stop by the ARRL Hudson Division Convention in White Plain, NY this weekend (<http://www.hudsonconvention.org/>). The ARRL Lab received an incredible donation of older HP and Tek scopes, plus numerous other meters and other goodies, that we will be selling at great prices (100% donation to the ARRL Lab Fund -- the test equipment fund, not hte coffee fund). I will be selling the audio-grade scopes for about \$10, and about a buck a MHz for the rest of them, for the main frames (empty), and plug-in modules for \$10 an up -- a great price compared to the prices I have seen some of this stuff go on ebay. Most of this is tube or hybrid, and about half of them seem to fire right up, albeit with noisy controls, etc.

Last year, we did this at the Newington Amateur Radio League fleamarket and raised about \$800.00. That was part of the downpayment for the Marconi generator we bought to replace our older HP-8640.

73,  
Ed Hare, W1RFI

ARRL Laboratory Supervisor  
225 Main St  
Newington, CT 06111  
Tel: 860-594-0318  
FAX: 860-594-0259  
Internet: [w1rfi@arrl.org](mailto:w1rfi@arrl.org)  
ARRL Web: <http://www.arrl.org>  
ARRL Technical Information Service: <http://www.arrl.org/tis/>

> -----Original Message-----

> From: AI2Q Alex [<mailto:ai2q@ispchannel.com>]  
> Sent: Thursday, September 14, 2000 7:57 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: RE: Electronic Component Tester  
>  
>  
> If you want a moderate-bandwidth scope that's small, check  
> out the OsZiFox  
> at <http://www.chipcenter.com/TestandMeasurement/prod042.jhtml>. It's  
> handheld.  
>  
> Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

> -----Original Message-----

> From: owner-qrp-l@Lehigh.EDU  
> [<mailto:owner-qrp-l@Lehigh.EDU>]On Behalf Of  
> Mike Yetsko  
> Sent: Wednesday, September 13, 2000 6:17 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: Re: Electronic Component Tester  
>  
>  
> Is that the 22-330 thing? A grey box with three alligator clips on  
> leads?  
>  
> Years ago they sold this big black box that had a dial on it with a  
> neon light. It was an oscillator that fired a neon bulb. And you  
> could get an idea of the gain of bipolar transistors from it.  
> I haven't  
> used it that much, but when I have used it, it's been a great tool.  
>  
> You could 'sorta' even match transistors with it, by where the  
> light went out as you turned the dial.  
>  
> This sounds like another tool to have on the shelf.  
>

> But I personally want the Wavetek LAN cable tester. The  
> two piece guy. I just this summer wired the house for 10bt  
> prior to getting a cable modem, and borrowed one of those  
> things. You just can't BELIEVE how much that simplifies  
> wiring work!!! (910-4493 for \$80 on pg 233 of the catalog!)

>  
> Then I want a pocket oscilloscope... I'd be a settler and settle  
> for the Fluke 123...

>  
> Mike

>  
> > Radio Shack sells a device by subject name for \$20.00 and I went  
> > to a store with a plastic bag of transistors and played  
> with it. Then  
> > bought it. It requires 3 AAA batteries and the Owners  
> Manual leaves a lot  
> > to be desired. It is in a language that a Swedish guy said  
> he knows is  
> > english...

>  
> > But if you put a "think it's a transistor" because it has 3 leads  
> > on the Tester it will show you the pin that's Base or Gate  
> with a steady  
> > light and which is the Anode or Collector or Drain. A light  
> tells you if  
> > it's NPN or PNP.

>  
> > - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

>  
>  
>

-----  
Date: Thu, 14 Sep 2000 11:58:14 -0700  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: <qrp-1@lehigh.edu>  
Subject: [79511] Pacificon: QRP sized QSLs for QRPacificon QSO Party  
Message-ID: <01c01e7d\$bccbec00\$330b0d0a@dhendricks>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Guys, one of the things that we want to do for QRPacificon is to exchange business sized qsl cards. I checked qsl maker, and it doesn't look to me like you can change the size of the qsl card. Is there a program out there that will do it? Can someone do a template in Microsoft Word that we can

all use? If you are interested in helping out, please send me an email. The best thing would be to have a template say in Microsoft Word, that we can send out and guys could use it to modify and print their own. Sure would be neat. Let me know. 72, Doug

-----  
Date: Thu, 14 Sep 2000 15:03:49 EDT  
From: BOBOBOB1@aol.com  
To: BOBOBOB1@aol.com  
Cc: collins@qth.net, qrp-1@lehigh.edu (Low Power Amateur Radio Discussion), hallicrafters@qth.net, tenten-1@lehigh.edu (10-10 International Discussion List)  
Subject: [79512] (no subject)  
Message-ID: <3f.a3d42a9.26f27b15@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

-----  
Date: Thu, 14 Sep 2000 14:33:19 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: qrp-1@lehigh.edu  
Subject: [79513] Dummy Loads  
Message-ID: <200009141909.PAA24841@wolf.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Hi Gang,

A FAQ is what kind of resistor to use as a dummy load? Here's a new resistor I noticed in the Digi-Key catalog, something called a "Power Chip" resistor. They come in 5 W, 10 W and 25 W flavors. It's a thick film resistor on an Alumina substrate and has very low inductance, 10 nH at 1 Mhz. Two 5W, 100 ohm resistors will run you just under \$2.00. These should make excalent dummy loads, well into VHF

72,  
Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"



Date: Thu, 14 Sep 2000 14:29:13 -0500  
From: "Cla KA0GKC" <ka0gkc@arrl.net>  
To: <ki6ds@dpol.k12.ca.us>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [79514] Re: Pacificon: QRP sized QSLs for QRPacificon QSO Party  
Message-ID: <075901c01e82\$1aa6e1a0\$0200000a@mcg.net>

Hi all,

For those that have MS Word 97 (maybe earlier as well) click "Tools", "Envelopes and Labels", a small window will pop up then click the "Labels" tab, "Options" button in the "Product number" window there is several Avery Business card formats. Pick one and click OK. Then click "New Document". This will create a table in a new doc that is ten up business cards. Click "Table" and choose "Show Gridlines" at the bottom of the menu if you're table doesn't appear there.

Now all you need do is make you QSL Card in one cell and copy and paste it to the rest. Have fun.

73 de Cla KA0GKC

----- Original Message -----

From: "Hendricks, Doug" <ki6ds@dpol.k12.ca.us>

| Guys, one of the things that we want to do for QRPacificon is to exchange  
| business sized qsl cards.

| Can someone do a template in Microsoft Word that we can  
| all use? Let me know. 72, Doug

-----  
Date: Thu, 14 Sep 2000 13:22:57 -0700  
From: Allan G Taylor <k7gt@qsl.net>  
To: qrp-1@Lehigh.EDU  
Subject: [79515] Re: Let me take your SMK-1 to Pacificon...  
Message-ID: <39C133A1.60C2@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

AD6DI is letting me take his SMK-1 along. It should be a gas!

73 K7GT

Oh, heard AI2Q work T77C with a very loud signal out here in CA. I wonder what his antenna was...if he was QRP, I want his antenna...!

--

Allan Taylor K7GT Pleasanton/Livermore CA

k7gt@qsl.net or k7gt@aol.com

-----  
Date: Thu, 14 Sep 2000 15:30:39 -0500  
From: Ken Paulson <kpaulson@earthlink.net>  
To: QRP-L@Lehigh.EDU  
Subject: [79516] Pacificon QRP Proceedings  
Message-ID: <39C1356F.E8CC7B13@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

Hello,

I was wondering if there will be an opportunity to purchase a copy of the proceeding, or compendium or whatever the booklet is to be called that contains writeups about each of the presentations. I bought one from the last Atlanticon and found it to be very informative. Of course I would like to attend, but being as that is not possible, I sure would like to read all the details.

Thanks,  
Ken N HRL  
QRP-L #2175, QRP ARCI #10465, NORCAL #pending

-----  
Date: Thu, 14 Sep 2000 13:54:51 -0700  
From: Scott Gregson <emtech@steadynet.com>  
To: mgemm@technologies.com, qrp-l <qrp-l@lehigh.edu>  
Subject: [79517] Re: FOX: Summer Hunt Awards - the List - correction  
Message-ID: <39C13B1B.2C5818FB@steadynet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The URL listed below for Emtech is wrong. Correct URL is:

<http://emtech.steadynet.com>

I tried to get those pages remove several times but Isomedia.com is not responsive, and I think the guy who put those pages up for my Dad is in prison, so he cannot touch them.

Marshall Emm wrote:

>  
> QRP-L SUMMER 20 Meter FOXHUNT  
>  
  
>  
> Donor: Emtech  
> Contact: <http://www.isomedia.com/homes/starbuck/emtech.htm>  
>  
> Award: Ladder Grabbers  
> Won by: 8th Place Hound, W7ILW  
> 9th Place Hound, N5TW  
> 10th Place Hound, K5DI

-----  
Date: Thu, 14 Sep 2000 21:50:51 +0100  
From: "Tony Fishpool" <g4wif@btinternet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [79518] Re: Here's another company I didn't know about  
Message-ID: <016701c01e8d\$7df368e0\$244b01d5@p200>  
MIME-Version: 1.0  
Content-Type: text/plain;  
 charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

That's their old website and the info may be out of date. Here's the new URL <http://www.wsplc.com/>

72/3

Tony - G4WIF

----- Original Message -----

From: "Dan" <tacquire@earthlink.net>  
> > Pretty neat looking little rigs and accessories. Font size is a  
>> bit odd on the  
> > page so you might have to fiddle with your browse to see it  
>> correctly.  
>  
> > <http://www.waters-and-stanton.co.uk/qrp/qrp1.htm>

-----  
Date: Thu, 14 Sep 2000 17:03:10 -0400  
From: "Ed Nelson" <edxnelson@home.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [79519] Building the NC-20  
Message-ID: <00d801c01e8f\$31d0d4a0\$2c490b18@prntn1.nj.home.com>

Tnx to everyone for their suggestions concerning mods on the NC20. I've going to build her stock and then decide what I need to do in the way of mods.

I'm hoping to be done in about a week. Look for me on 20.

Tnx Agn.....Ed W4EN

-----  
Date: Thu, 14 Sep 2000 14:27:21 -0700  
From: "Bob Tellefsen" <n6wg@earthlink.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [79520] Re: Dummy Loads  
Message-ID: <000301c01e92\$92016f80\$7e09b73f@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Steve

These chip power resistors do work as a dummy load. Someone brought a dummy load he had made with them to a NorCal meeting. I don't recall how high in frequency it was good for, but he seemed happy with it. He built it in an aluminum box to serve as the heatsink.

73, Bob N6WG

-----  
Date: Thu, 14 Sep 2000 17:26:20 -0400  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>  
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>  
Subject: [79521] CQ \*VA6RF\*  
Message-ID: <200009141726\_MC2-B362-197D@compuserve.com>

MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
charset=ISO-8859-1  
Content-Disposition: inline

Gang:

I mistyped the call. Should be VA6RF (not VA5RF). Earl, please forgive the typo, and congratulations again on a great season. =

72/73,  
--W.D. (Doc) Lindsey  
DSBF  
PO Box 6028  
Bismarck, ND 58506  
(Shipping =3D DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)  
E-Mail =3D K0EVZ@arrl.net

-----  
Date: Thu, 14 Sep 2000 21:44:23 +0100  
From: Larry S Cahoon <wd3p@juno.com>  
To: N10DL@aol.com, qrp-1@Lehigh.EDU, w2gum1@juno.com, n3wt@juno.com  
Subject: [79522] Re: dsw-20 does it agn  
Message-ID: <20000914.214429.-353851.0.wd3p@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

> Larry:  
> what antenna are you using in the car. I also have a DSW and am

As I get this question fairly often I'll pass on to the group what I use. By the way of experience I run mobile from 350 counties in 20 states. By county hunting standards that is not a lot - there is one fellow, W1TEE, who has done it from all the counties CW. That doesn't mean I have the best setup or even the ideal setup.

My first rule is get the coil up as high as you can. I had someone run through the math with me at one of the county hunter conventions and we came to the conclusion that in approximate terms the difference between a coil at the top of the antenna and one at the bottom was about one S unit. I can take that loss but I'd prefer not to, so I got for height. The other rule is to get the antenna up as high as possible on the car. I

never use a bumper mount or a trailer hitch mount. Next rule is don't run the base of the antenna (that is the part below the coils) up along the side of the car, truck. The coupling between the antenna and the nearby metal can do all sorts of bad things to the behavior of the antenna. My last rule is never use a tuner in the mobile - make the antenna resonate where you are going to use it.

Given that, in practice I have four different antennas setups I use when mobile. Each serves a purpose.

1. Outbacker Perth - this is for around town and for short trips. If I'm out at the kids soccer practice or running local errands and I take the rig with me this is the one that goes. It gives me all the bands but I have to get out of the car to switch bands. On the plus side I can put it up easily and don't have to guy it. I have found with all the outbackers that I have to get a separate whip to reach the CW portion of 40 and 80 meters. The stock whip is just not long enough. This is a real pain with the Perth as in my small Honda Civic the whip has to go in the passenger area of the car - so it gets in the way.

2. Hustler - I use this one on many of the county hunting trips. It must be guyed so I only put it up when I intend to make a major trip or the like. I have it set up with the spider on top and both the 40 meter and 20 meter coils. This works well on both bands. I may put on the 15 meter coil as well one day, but so far I haven't. This one has the advantage of getting the coils up higher - they are up about 45 feet from the base of the antenna. This gets guyed with fishing line to the handles on the roof of the car inside the rear doors.

3 Shortened Hustler. Hustler makes a short base stick for their antennas. These are for places like the roof of a high trunk. I use this with just the 20 meter coil sometimes on the xyl's minivan. I sacrifice on the output of the antenna but it doesn't hit too many trees.

4. W9UCW antenna - I call this the county hunter special. Barry does not make these anymore - I believe he gave the business to K8CW. In many ways this is my favorite antenna. It comes in two foot base sections, so you can get it up higher by adding more sections. The coils are similar to the Hustler. The design is not that different. The big plus is that he has designed the attachment of the coils they lay horizontal at the top of the base section. What this means is that you can use a larger base for the antenna and still not hit the trees. If I put this on my little car I can get use a 6 foot base. This means more power out of the antenna. My use of this one is on the xyl's minivan. I mount it on the roof with a 4 foot base. This gets the whole thing up about 9-10 feet. I could add another two feet but on the back roads there are just too many low tree limbs. I guy this thing to the luggage rack. You can put four coils on this thing at one time. I've only used the 20 and 40 meter

coils.

These antenna have been used for WAS mobile to mobile. I will add for the benefit of the group that when I'm out running counties I'm usually at 50 or 100 watts. The purpose there is the give out the county to the other guys, not for me to collect contacts. So I don't go down to QRP levels most of the time. Now I do have the county hunting rig (a TS50) set for 5 watts so if I want to work someone in a county I can do it at 5 watts.

Hope some of you found this useful  
73 de Larry.....WD3P in MD  
<http://www.qsl.net/wd3p>

-----  
Date: Fri, 15 Sep 2000 07:53:18 +1000  
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>  
To: Flying Pigs <fpqrp@egroups.com>, "GQRP@onelist.com" <GQRP@onelist.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [79523] Texas Instruments  
Message-ID: <39C148CE.AE0136FC@integritynet.com.au>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

FWIW  
<snip>

Texas Instruments is issuing you a challenge - a challenge for you to develop the most innovative analog design in the world. On November 1, TI will host a one-hour Webcast that will provide you with the information you need to enter and get started on a design path that could lead you to \$100,000 (USD).

Be sure to register @ <http://www.ti.com/sc/ti-bbwebcast100k> and include a question for our Webcast panelists.  
</snip>

FYI

72/73's

Ian Purdie Budgewoi N.S.W. Australia - Co-ords S33 14', E151 34'  
My FREE Newsletter: <http://www.electronics-tutorials.com/subscribe.htm>  
VK2TIP "I'll give ya the TIP mate" QRP-L #1978. SOC #171 FP#91  
URL - <http://www.electronics-tutorials.com/>

-----  
Date: Thu, 14 Sep 2000 15:18:09 -0700 (PDT)  
From: "Robert P. Okas" <vintage@best.com>  
To: Cla KA0GKC <ka0gkc@arrl.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [79524] Re: Pacificon: QRP sized QSLs for QRPacificon QSO Party  
Message-ID: <Pine.BSF.4.21.0009141513270.21138-1000000@shell114.ba.best.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Cla,

That's a great idea! I was able to cobble up a mini-qs1 in less than 10 minutes.

74,  
Bob - W3CD

On Thu, 14 Sep 2000, Cla KA0GKC wrote:

> Hi all,  
>  
> For those that have MS Word 97 (maybe earlier as well) click "Tools",  
> "Envelopes and Labels", a small window will pop up then click the "Labels"  
> tab, "Options" button in the "Product number" window there is several Avery  
> Business card formats. Pick one and click OK. Then click "New Document".  
> This will create a table in a new doc that is ten up business cards. Click  
> "Table" and choose "Show Gridlines" at the bottom of the menu if you're table  
> doesn't appear there.  
>  
> Now all you need do is make you QSL Card in one cell and copy and paste it to  
> the rest. Have fun.  
>  
> 73 de Cla KA0GKC  
>

-----  
Date: Thu, 14 Sep 2000 15:23:20 -0700 (PDT)  
From: wa4dou@excite.com  
To: qrp-l@lehigh.edu  
Subject: [79525] Re: Any experience with the isotron antennas  
Message-ID: <26831735.968970200527.JavaMail.imal@chilly.excite.com>



Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi All,

When individuals report great results with an Isotron product, what they're really saying is they have no reference standard to compare it to and therefore are incapable of evaluating it objectively. Objective analysis would reveal rather poor to extremely poor performance. 73 de Roy WA4DOU

-----  
>  
> 0 EuroM6@aol.com writes:  
> > I'm not sure why all the bad-mouthing of the Isotron.....  
>  
> with 10m, 15m, & 20m Isotrons in the attic  
> > and I've  
> > had great results.  
> -----

-----  
Say Bye to Slow Internet!  
<http://www.home.com/xinbox/signup.html>

-----  
Date: Thu, 14 Sep 2000 15:29:06 -0700  
From: Dan <tacquire@earthlink.net>  
To: unlisted-recipients;; (no To-header on input)  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [79526] Re: Any experience with the isotron antennas  
Message-ID: <39C15132.FA8C95EA@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

If people make contacts with it and they are happy with their personal results then that's all that counts.

-----  
Date: Thu, 14 Sep 2000 15:45:40 -0700 (PDT)

From: wa4dou@excite.com  
To: tacquire@earthlink.net, qrp-1@lehigh.edu  
Subject: [79527] Re: Any experience with the isotron antennas  
Message-ID: <32514019.968971542434.JavaMail.imal@chilly.excite.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Dan,

I agree with you heartily but they must not use words like "very good" or "excellent results" because those expressions have very precise meanings and cannot pertain to the performance of an Isotron until the day that the laws of physics are suspended. 73 Roy WA4DOU

-----  
On Thu, 14 Sep 2000 15:29:06 -0700, tacquire@earthlink.net wrote:

> If people make contacts with it and they are happy with their personal  
> results  
> then that's all that counts.  
>  
>

-----  
Say Bye to Slow Internet!  
<http://www.home.com/xinbox/signup.html>

-----  
Date: Thu, 14 Sep 2000 15:55:36 -0700 (PDT)  
From: wa4dou@excite.com  
To: qrp-1@lehigh.edu  
Subject: [79528] Lightbulb antennas!  
Message-ID: <1514729.968972136214.JavaMail.imal@chilly.excite.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi all,

Tom at Force 12 , a couple of months or so back, in QST, wrote of his experiences with a lightbulb antenna on 10 meters. Sure, it worked swell, but his reference standard was "nothing." Anything works better than "nothing." Homemade wire antennas made according to theory will outperform many lesser antennas, and at a much reduced price. 73 Roy WA4DOU

-----  
Say Bye to Slow Internet!  
<http://www.home.com/xinbox/signup.html>

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End of QRP-L Digest 1944  
\*\*\*\*\*  
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